



Standards Development

13-15 September 2005
Brussels

Part I: Process Optimization

Part II: Forecasting for Standards Development

GS1 Healthcare User Group (HUG)



Healthcare

Standards Development

Part I:

Standards development process optimization for the healthcare industry

Part II:

Implement a forecasting model for future standards needs in the healthcare industry



Healthcare

Part I: Process Optimization

Objective

- Detail a realistic supply chain standards development process for adoption by GS1 that is optimized for the healthcare industry



Healthcare

Part I: Process Optimization

Scope

References

- Global standards development organizations (ex. ISO, GS1)
- Regional/national standards development organizations (ex. BSA, ANSI, CSA)
- Healthcare industry groups (ex. PhARMA, AdvaMed)

Deliverables

- Processes for standards development
- Mechanisms of adoption & enforcement
- Measures of adoption & enforcement
- Realistic framework for GS1 implementation



Part I: Process Optimization

Existing Standards Development Process Review

- Determine relevant sources of existing standards for the healthcare industry, supply chain or both
- Questionnaire focusing on key factors for healthcare
 - User base (ex. geography, industry)
 - Process flow, stakeholder involvement and championing
 - Time to define, develop, ratify and adopt
 - Regulatory: responsiveness, involvement, knowledge, trust and impact
 - Industry scope: all healthcare vs. sub-industries
 - Technical scope (ex. data format, data carriers, data transactions)
 - Original source for standards vs. copycat standards
 - Review/update cycle and criteria
 - Industry uptake
 - Enforcement practices/audits
- Compile and compare results



Healthcare

Part I: Process Optimization

Existing Standards Development Process User Assessment

- Determine user base of optimized standards
 - healthcare industry and sub-industry
 - existing and potential GS1 members
- Questionnaire focusing on healthcare industry expectations
 - Definition, development and ratification time
 - General process flow and stakeholder involvement
 - Regulatory agency involvement, knowledge, trust and impact
 - Industry scope: all healthcare vs. specific sub-industries
 - Technical scope (ex. data format, data carriers, data transactions)
 - Review/update cycle and criteria
 - Industry uptake
 - Enforcement practices/audits
- Compile results
- Compare expectations with Existing Process Review



Healthcare

Part I: Process Optimization

Develop a Baseline

- Investigate existing GS1 process
- Compare with existing standards review and user assessment
- Identify and assess gaps, additions and modifications
- Baseline GS1 healthcare process
 - Standards development process
 - Process review and update cycle
 - Enforcement/accreditation and audits
 - Within GS1
 - Healthcare industry
 - Solution providers



Healthcare

Part I: Process Optimization

Deliverables

- Identify and review existing relevant standards development processes
- Compile and summarize results of review [now Jan 06]
- Review standards development process user assessment
- Compile and summarize results of review [Jan 06]
- Submit first draft of GS1 “Healthcare Standards Development Process” Baseline for review [now Mar 06]



Healthcare

Part II: Forecasting Standards Needs

Objectives

- Forecast key supply chain standards required by the healthcare industry in 2-5 years
- Create a forecasting model and process to review and update the 2-5 year forecast



Healthcare

Part II: Forecasting Standards Needs

Scope

- Supply chain standards impacting healthcare industry
 - Divide into sub-industries where appropriate
- Global
- Stakeholders along supply chain channels
- Within and outside current framework of GS1



Healthcare

Part II: Forecasting Standards Needs

Forecast Parameters

- Data
- Data Transactions
- Data carriers
- Data format
- Data storage

Expected standards need details for model

- Rationale
 - Regulatory
 - Market/industry drivers
 - Technology advancement
- Timeframe for delivery
- Geography
- Sub-industry

Each forecast inserted into model must meet the requirements for GS1 healthcare standards development submission



Healthcare

Part II: Forecasting Standards Needs

Deliverables: First Forecast

- Review successes & failures of past standards impacting healthcare
- Review current and upcoming standards & regulatory mandates (0-2 years)
- Compile current standards & mandates [now Jan 06]
- Forecast extension of standards & needs 2-5 years for “first forecast” [Jan 06]



Healthcare

Part II: Forecasting Standards Needs

Deliverables: Forecasting Model & Process

- Define key criteria for useful forecast
- Generate forecasting skeleton [Sept 05]
- Define team & process for review of forecast
- Insert first forecast within framework [Jan 06]



Healthcare

Contact details

Peter Tomicki

Global Project Manager

Baxter Healthcare

tel. +1 847 270 5492

fax. +1 847 270 3969

peter_tomicki@baxter.com

www.baxter.com

Baxter